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Personal device
for preparation of spumescient oxygen cocktail and its gas bottle

Abstract

10 The invention relates to the food industry, namely, to the devices for preparation of spumescient oxygen cocktail, that is a beverage saturated with oxygen wherein gaseous oxygen is present in liquid in form of bubbles.

15 The personal device for preparation of spumescient oxygen cocktail comprising a tank with liquid and a gas bottle made in form of a tank wherein pressurized oxygen is contained. The gas bottle is equipped with an outlet valve through which it is connected with a nozzle made in form of a sprayer to be placed in the tank with liquid to provide formation of spumescient oxygen cocktail when oxygen is fed into the liquid. The gas tank is made from food aluminum or sheet metal with a wall thickness of 0.1 to 0.83 mm, 0.1 to 90 l of oxygen are contained in the bottle under a pressure within the range from 2 to 30 atm, oxygen being fed into the liquid at a rate up to 1.5 l/min. The technical effect consists in the improvement of the personal device service conditions, regardless of a user's age, in improving the quality of preparation of the dosed spumescient oxygen cocktail as well as in extending the field of application of the personal device both at home and in small medical establishments, in catering establishments since they do not require special instructions and accessories.